Amendments to the Claims:

Listing of Claims:

1-35.   (Canceled)

36.   (Previously Presented)   A method for determining a received channel power indicator (RCPI) in a wireless transmit/receive unit (WTRU), the method comprising:

measuring a radio frequency power of a received signal;

determining an n-bit RCPI parameter from the measured radio frequency power, wherein the RCPI parameter is determined using a monotonically increasing logarithmic function, wherein n is a positive integer; and

transmitting the determined n-bit RCPI parameter.

37.   (Previously Presented)   The method of claim 36 wherein the radio frequency power of the received signal is measured by a physical (PHY) sublayer.

38.   (Previously Presented)   The method of claim 37 wherein a direct sequence spread spectrum (DSSS) PHY sublayer is used as the PHY sublayer.

39.   (Previously Presented)   The method of claim 37 wherein an orthogonal frequency division multiplex (OFDM) PHY sublayer is used as the PHY sublayer.

40.   (Canceled)

41.   (Previously Presented)   The method of claim 36 wherein the measured radio frequency power of the received signal is defined in dBm.

42.   (Previously Presented)   The method of claim 36 wherein the n-bit RCPI parameter is an 8 bit RCPI parameter.

43.   (Previously Presented)   The method of claim 36 wherein the n-bit RCPI parameter is determined as a scalar value in a range of 0 through 220.

44.   (Previously Presented)   The method of claim 41 wherein the measured radio frequency power of the received signal is rounded to a nearest 0.5 dB.

45.   (Currently Amended)   The method of claim 43 wherein the range used for the scalar value includes a 0 scalar value that corresponds to a power less than -110 dBm and a 220 scalar value that corresponds to a power greater than -0 dBm.

46.   (Previously Presented)   The method of claim 41 wherein the measured radio frequency power of the received signal is measured to an accuracy of +/- 5 dB.

47.   (Previously Presented)   A wireless transmit/receive unit (WTRU) comprising:

    a processor configured to:

        measure a radio frequency power of a received signal;

        determine an n-bit received channel power indicator (RCPI) parameter

from the measured radio frequency power, wherein the RCPI parameter is determined using a monotonically increasing logarithmic function, wherein n is a positive integer; and

a transmitter configured to transmit the determined n-bit RCPI parameter.

48.   (Previously Presented)   The WTRU of claim 47 wherein the radio frequency power of the received signal is measured by a physical (PHY) sublayer.

49.   (Previously Presented)   The WTRU of claim 48 wherein the PHY sublayer is a direct sequence spread spectrum (DSSS) PHY sublayer.

50.   (Previously Presented)   The WTRU of claim 48 wherein the PHY sublayer is an orthogonal frequency division multiplex (OFDM) PHY sublayer.

51.   (Canceled)

52.   (Currently Amended)   The WTRU of claim 47 wherein the measured ~~received~~ radio frequency power of the received signal is defined in dBm.

53.   (Currently Amended)   The WTRU of claim 47 wherein the n-bit RCPI parameter is an [[is]] 8 bit RCPI parameter.

54.   (Currently Amended)   The WTRU of claim 47 wherein the n-bit RCPI parameter is a scalar value in a range of 0 through 220.

55.   (Currently Amended)   The WTRU of claim 52 wherein the

measured ~~received~~ radio frequency power of the received signal is rounded to a nearest 0.5 dB.

56.   (Previously Presented)   The WTRU of claim 55 wherein the range used for the scalar value includes a 0 scalar value that corresponds to a power less than -110 dB and a 220 scalar value that corresponds to a power greater than -0 dB.

57.   (Currently Amended)   The WTRU of claim 52 wherein the measured ~~received~~ radio frequency power of the received signal is measured to an accuracy of +/- 5 dB.

58.   (Previously Presented)   The method of claim 36, wherein the radio frequency power of the received signal is measured over an entire frame.

59.   (Previously Presented)   The method of claim 58, wherein the entire frame includes a Physical Layer Convergence Protocol (PLCP) preamble.

60.   (Currently Amended)   The WTRU of claim 47, wherein the ~~received~~ radio frequency power of the received signal is measured over an entire frame.

61.   (Previously Presented)   The WTRU of claim 60, wherein the entire frame includes a Physical Layer Convergence Protocol (PLCP) preamble.

62.   (Currently Amended)   The method of claim 36 wherein the ~~received~~ radio frequency power of the received signal is measured at an antenna connector.

63.   (Currently Amended)   The WTRU of claim 47 wherein the ~~received~~ radio frequency power of the received signal is measured at an antenna connector.